ELSEVIER

Journal of Organometallic Chemistry 484 (1994) C14–C15

Journal of Organometallic Chemistry

Author Index of Volume 484

Akkerman, O.S., 137
Al-Mandhary, M.R.A., 161
Alonso, M.T., 19
Arena, C.G., 71
Arliguie, T., 195
Arndt, P., 81

Baker, P.K., 169
Banister, J.A., 129
Bartsch, R.A., 47
Batheja, R., 93
Baumann, W., 81, 203
Beck, W., 233
Beckhaus, R., 179
Berente, Z., 225
Bessire, A.J., 47
Bickelhaupt, F., 137
Bochmann, M., C10
Boukherroub, R., 119
Bourumeau, K., 9
Brauer, D.J., 107
Brendel, H.-D., 67
Buisman, G.J.H., 137
Bürger, H., 107
Burlakov, V.V., 81, 203

Campello, M.P.C., 37
Cea-Olivares, R., 33
Choi, S.W.-K., 209
Ciani, G., 71
Coco, S., 113
Cox, M.G., 97
Cuenca, T., C10
Cunningham, D., 97
Czech, B.P., 47

Damour, D., 119
De Almeida Santos, R.H., 13
De Lucca Neto, V.A., 13
De Mendoza, J., 19
Denis, J.-M., 9
Domingos, Â., 37
Do Prado Gambardella, M.T., 13
Drommi, D., 71
Dupont, J., C8

Emri, J., 225
Ephritikhine, M., 195
Esmaeilbeig, A.R., 53

Espinet, P., 113
Espinosa-Pérez, G., 33

Faraone, F., 71

Gaumont, A.-C., 9
George, M.W., 129
Glidewell, C., 175
Görls, H., 81, 203
Grubert, S., 129
Gruselle, M., 1
Guenot, P., 9, 89
Györi, B., 225

Hagen, T., 107
Halfen, R.A.P., C8
Hanson), J.R., C13
Hardy, D.T., C10
Harman, M.E., 169
Hassler, K., C1
Herberhold, M., 67
Holwerda, R.A., 47
Howdle, S.M., 129
Hursthouse, M.B., 169

Jaouen, G., 1
Jiménez-Sandoval, O., 33
Jobling, M., 129
Johnson, F.P.A., 129
Joshaghani, M., 53
Juanes, O., 19

Kálmán, A., 153
Khan, M.S., 161
Kim, J.S., 47
Kovács, Z., 225

Lance, M., 195
Lavery, A.J., 169
Lechat, J.R., 13
Letulle, M., 89
Lewis, J., 161
Lightfoot, P., 175
Lin, B., 161

Maciejewski, H., 147
Malik, K.M.A., 169
Mamedyarova, I.A., 1

Manning, A.R., 97
Manuel, G., 119
Marciniec, B., 147
Martin, B., 27
Mauro, A.E., 13
McArdle, P., 97
Mignani, S., 119
Mingos, D.M.P., 209
Morrison, S.L., 129
Muldoon, D.J., 169
Müller, T.E., 209
Murphy, D., 209

Nauck, C., 81
Nefedova, M.N., 1
Nierlich, M., 195

Ohff, A., 203
Ohta, T., 191
Opromolla, G., 67
Oster, J., 179

Pannel, K.H., 153
Párkányi, L., 153
Pawelke, G., 107
Pfeffer, M., C8
Poliakoff, M., 129
Proserpio, D.M., 71
Puciova, M., 27
Puddephatt, R.J., 53
Pulst, S., 81

Raithby, P.R., 161
Rashidi, M., 53
Rechenberg, H.R., 13
Ripoll, J.-L., 89
Robl, C., 233
Rodríguez-Ubis, J.C., 19
Rosenthal, U., 81, 147, 203
Rotondo, E., 71

Sang, J., 179
Santos, I., 37
Schat, G., 137
Schenzel, K., C1
Scherer, O.J., C5
Schubert, U., 129
Schulze, J., C5
Shahabadi, N., 53

ELSEVIER

Journal of Organometallic Chemistry 484 (1994) C14–C15

Journal of Organometallic Chemistry

Author Index of Volume 484

Akkerman, O.S., 137
Al-Mandhary, M.R.A., 161
Alonso, M.T., 19
Arena, C.G., 71
Arliguie, T., 195
Arndt, P., 81

Baker, P.K., 169
Banister, J.A., 129
Bartsch, R.A., 47
Batheja, R., 93
Baumann, W., 81, 203
Beck, W., 233
Beckhaus, R., 179
Berente, Z., 225
Bessire, A.J., 47
Bickelhaupt, F., 137
Bochmann, M., C10
Boukherroub, R., 119
Bourumeau, K., 9
Brauer, D.J., 107
Brendel, H.-D., 67
Buisman, G.J.H., 137
Bürger, H., 107
Burlakov, V.V., 81, 203

Campello, M.P.C., 37
Cea-Olivares, R., 33
Choi, S.W.-K., 209
Ciani, G., 71
Coco, S., 113
Cox, M.G., 97
Cuenca, T., C10
Cunningham, D., 97
Czech, B.P., 47

Damour, D., 119
De Almeida Santos, R.H., 13
De Lucca Neto, V.A., 13
De Mendoza, J., 19
Denis, J.-M., 9
Domingos, Â., 37
Do Prado Gambardella, M.T., 13
Drommi, D., 71
Dupont, J., C8

Emri, J., 225
Ephritikhine, M., 195
Esmaeilbeig, A.R., 53

Espinet, P., 113
Espinosa-Pérez, G., 33

Faraone, F., 71

Gaumont, A.-C., 9
George, M.W., 129
Glidewell, C., 175
Görls, H., 81, 203
Grubert, S., 129
Gruselle, M., 1
Guenot, P., 9, 89
Györi, B., 225

Hagen, T., 107
Halfen, R.A.P., C8
Hanson), J.R., C13
Hardy, D.T., C10
Harman, M.E., 169
Hassler, K., C1
Herberhold, M., 67
Holwerda, R.A., 47
Howdle, S.M., 129
Hursthouse, M.B., 169

Jaouen, G., 1
Jiménez-Sandoval, O., 33
Jobling, M., 129
Johnson, F.P.A., 129
Joshaghani, M., 53
Juanes, O., 19

Kálmán, A., 153
Khan, M.S., 161
Kim, J.S., 47
Kovács, Z., 225

Lance, M., 195
Lavery, A.J., 169
Lechat, J.R., 13
Letulle, M., 89
Lewis, J., 161
Lightfoot, P., 175
Lin, B., 161

Maciejewski, H., 147
Malik, K.M.A., 169
Mamedyarova, I.A., 1

Manning, A.R., 97
Manuel, G., 119
Marciniec, B., 147
Martin, B., 27
Mauro, A.E., 13
McArdle, P., 97
Mignani, S., 119
Mingos, D.M.P., 209
Morrison, S.L., 129
Muldoon, D.J., 169
Müller, T.E., 209
Murphy, D., 209

Nauck, C., 81
Nefedova, M.N., 1
Nierlich, M., 195

Ohff, A., 203
Ohta, T., 191
Opromolla, G., 67
Oster, J., 179

Pannel, K.H., 153
Párkányi, L., 153
Pawelke, G., 107
Pfeffer, M., C8
Poliakoff, M., 129
Proserpio, D.M., 71
Puciova, M., 27
Puddephatt, R.J., 53
Pulst, S., 81

Raithby, P.R., 161
Rashidi, M., 53
Rechenberg, H.R., 13
Ripoll, J.-L., 89
Robl, C., 233
Rodríguez-Ubis, J.C., 19
Rosenthal, U., 81, 147, 203
Rotondo, E., 71

Sang, J., 179
Santos, I., 37
Schat, G., 137
Schenzel, K., C1
Scherer, O.J., C5
Schubert, U., 129
Schulze, J., C5
Shahabadi, N., 53

Sharma, H., 153
Shawcross, A., 169
Shi, S., 59
Shur, V.B., 203
Silvestru, C., 33
Singh, A.K., 93
Smeets, W.J.J., 137
Sokolov, V.I., 1
Soye, P., 97
Spek, A.L., 137
Srivastava, V., 93
Systermans, A., 89
Takaya, H., 191
Tillack, A., 203
Tinga, M.A.G.M., 137
Toma, S., 27
Tsutsumi, T., 191
Vaissermann, J., 1
Vichard, D., 1
Vigner, J., 195
Villemin, D., 27
Wagner, T., 179
Weinrich, V., 233
Westwell, J.R., 129
Williams, D.J., 209
Wolmershäuser, G., C5
Yam, V.W.-W., 209
Zamian, J.R., 13
Zanello, P., 67
Zeng, H.C., 59
Zinn, F.K., C8

ELSEVIER

Journal of Organometallic Chemistry 484 (1994) C16–C22

Journal of Organometallic Chemistry

Subject Index of Volume 484

Actinide
Reaction of uranium tetrachloride with trimethylsilylcyclopentadiene: crystal structure of a dichloromethane adduct of $[\{U(cp)_2(\mu\text{-}Cl)\}_3(\mu_3\text{-}Cl)_2][\{U(cp)Cl_2\}_2(\mu\text{-}Cl)_3]$ (cp = $\eta\text{-}C_5H_5$) (T. Arliguie, M. Ephritikhine, M. Lance, J. Vigner and M. Nierlich), 195

Aldehyde
Synthesis of optically active benzyl-α-*d* alcohols by asymmetric hydrogenation of benzaldehyde-α-*d* and its derivatives catalyzed by BINAP-Ru(II) complexes (T. Ohta, T. Tsutsumi and H. Takaya), 191

Alkene
Nucleophilic additions to palladium(II)-activated C=C bonds: synthesis of cyclopalladated 8-substituted quinoline derivatives (J. Dupont, R.A.P. Halfen, F.K. Zinn and M. Pfeffer), C8

Alkyne
Bis(alkyne) complexes of the type $[WI_2(CO)(NCR)(\eta^2\text{-}R'C_2R')_2]$ (R = Et, ^{t}Bu, Ph or CH_2Ph; R' = Me or Ph). X-ray crystal structure of $[WI_2(CO)(NC^tBu)(\eta^2\text{-}MeC_2Me)_2]$ (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 169
Synthesis and structural characterization of cobalt complexes derived from conjugated tetraynes (J. Lewis, B. Lin, M.S. Khan, M.R.A. Al-Mandhary and P.R. Raithby), 161
Synthesis, structural characterization and photophysical properties of ethyne–gold(I) complexes (T.E. Müller, S.W.-K. Choi, D.M.P. Mingos, D. Murphy, D.J. Williams and V.W.-W. Yam), 209
Zirkonadihydrofuran-Komplexe: Darstellung, Struktur und Reaktivitäts-Betrachtungen (U. Rosenthal, A. Ohff, W. Baumann, A. Tillack, H. Görls, V.V. Burlakov und V.B. Shur), 203

Alkyne complexes
Darstellung und Eigenschaften des Komplexes (dipy)Ni(η^2–PhC_2SiMe_3). Zur Korrelation struktureller Bindungsparameter mit IR- und NMR-spektroskopischen Daten in Übergangsmetall-Alkin-Komplexen (U. Rosenthal, C. Nauck, P. Arndt, S. Pulst, W. Baumann, V.V. Burlakov und H. Görls), 81

Arsenic
Bicyclisches As_6 als Komplexligand (O.J. Scherer, J. Schulze und G. Wolmershäuser), C5

As_6 benzvalene
Bicyclisches As_6 als Komplexligand (O.J. Scherer, J. Schulze und G. Wolmershäuser), C5

Asymmetric hydrogenation
Synthesis of optically active benzyl-α-*d* alcohols by asymmetric hydrogenation of benzaldehyde-α-*d* and its derivatives catalyzed by BINAP-Ru(II) complexes (T. Ohta, T. Tsutsumi and H. Takaya), 191

Azoniaboratacyclopropane
New heterocycles from the reaction of azoniaboratacyclopropane with isocyanides (D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 107

BINAP
Synthesis of optically active benzyl-α-*d* alcohols by asymmetric hydrogenation of benzaldehyde-α-*d* and its derivatives catalyzed by BINAP-Ru(II) complexes (T. Ohta, T. Tsutsumi and H. Takaya), 191

Bis(cyclometallation)
Cyclometallated compounds of Pd(II) with pyrazole derivatives. Unusual double palladation of diarylbis(*N*-pyrazolyl)methanes (M.T. Alonso, O. Juanes, J. De Mendoza and J.C. Rodríguez-Ubis), 19

Bis(cyclopentadienyl)uranium
Reaction of uranium tetrachloride with trimethylsilylcyclopentadiene: crystal structure of a dichloromethane adduct of $[\{U(cp)_2(\mu\text{-}Cl)\}_3(\mu_3\text{-}Cl)_2][\{U(cp)Cl_2\}_2(\mu\text{-}Cl)_3]$ (cp = $\eta\text{-}C_5H_5$) (T. Arliguie, M. Ephritikhine, M. Lance, J. Vigner and M. Nierlich), 195

Boron
Boron- and phosporus-containing heterocycles: first evidence of a transient cyclic phosphaborolane with P–H and B–H bonds (A.-C. Gaumont, K. Bourumeau, J.-M. Denis and P. Guenot), 9
Synthesis and characterization of some amine complexes of bromocarboxyboranes and bromo(methoxycarbonyl)boranes (B. Györi, Z. Kovács, J. Emri and Z. Berente), 225

Borylphosphines
Boron- and phosporus-containing heterocycles: first evidence of a transient cyclic phosphaborolane with P–H and B–H bonds (A.-C. Gaumont, K. Bourumeau, J.-M. Denis and P. Guenot), 9

Bromination
Synthesis and characterization of some amine complexes of bromocarboxyboranes and bromo(methoxycarbonyl)boranes (B. Györi, Z. Kovács, J. Emri and Z. Berente), 225

Bromoborane
Synthesis and characterization of some amine complexes of bromocarboxyboranes and bromo(methoxycarbonyl)boranes (B. Györi, Z. Kovács, J. Emri and Z. Berente), 225

Carbon-13
Darstellung und Eigenschaften des Komplexes (dipy)Ni(η^2–PhC_2SiMe_3). Zur Korrelation struktureller Bindungsparameter mit IR- und NMR-spektroskopischen Daten in Übergangsmetall-Alkin-Komplexen (U. Rosenthal, C. Nauck, P. Arndt, S. Pulst, W. Baumann, V.V. Burlakov und H. Görls), 81

Carbonyl
Bis(alkyne) complexes of the type $[WI_2(CO)(NCR)(\eta^2\text{-}R'C_2R')_2]$ (R = Et, ^{t}Bu, Ph or CH_2Ph; R′ = Me or Ph). X-ray crystal structure of $[WI_2(CO)(NC^tBu)(\eta^2\text{-}MeC_2Me)_2]$ (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 169
Organometallic photochemistry in supercritical fluids: reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen (J.A. Banister, M.W. George, S. Grubert, S.M. Howdle, M. Jobling, F.P.A. Johnson, S.L. Morrison, M. Poliakoff, U. Schubert and J.R. Westwell), 129
Reactions of mercuric acetate with pentacarbonyliron in alcohols. Crystal and molecular structures of $Hg[Fe(COOR)(CO)_4]_2$ (R = CH_3, C_2H_5) (A.E. Mauro, V.A. De Lucca Neto, J.R. Zamian, R.H. De Almeida Santos, M.T. Do Prado Gambardella, J.R. Lechat and H.R. Rechenberg), 13
Synthesis and structural characterization of cobalt complexes derived from conjugated tetraynes (J. Lewis, B. Lin, M.S. Khan, M.R.A. Al-Mandhary and P.R. Raithby), 161
Carbonyls
The reaction of *R,S* and *R,R/S,S*-$[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ with alkylating agents. Preparation, structure and spectra of $[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ salts (M.G. Cox, A.R. Manning, P. Soye, P. McArdle and D. Cunningham), 97
Carboxyborane
Synthesis and characterization of some amine complexes of bromocarboxyboranes and bromo(methoxycarbonyl)boranes (B. Györi, Z. Kovács, J. Emri and Z. Berente), 225
Catalysis
Catalysis of hydrosilylation. Part XXV. Effect of nickel(0) and nickel(II) complex catalysts on dehydrogenative silylation, hydrosilylation and dimerization of vinyltriethoxysilane (B. Marciniec, H. Maciejewski and U. Rosenthal), 147
Synthesis of optically active benzyl-*α-d* alcohols by asymmetric hydrogenation of benzaldehyde-*α-d* and its derivatives catalyzed by BINAP-Ru(II) complexes (T. Ohta, T. Tsutsumi and H. Takaya), 191
Chain reaction
Kinetics of chain reactions between organochromium macrocyclic complexes and iodine (S. Shi and H.C. Zeng), 59
Chiral boron atom
Synthesis and characterization of some amine complexes of bromocarboxyboranes and bromo(methoxycarbonyl)boranes (B. Györi, Z. Kovács, J. Emri and Z. Berente), 225
Chirality
Synthesis of optically active benzyl-*α-d* alcohols by asymmetric hydrogenation of benzaldehyde-*α-d* and its derivatives catalyzed by BINAP-Ru(II) complexes (T. Ohta, T. Tsutsumi and H. Takaya), 191
Chloride
Uranium complexes with hydrotris(pyrazolyl) borate (M.P.C. Campello, Â. Domingos and I. Santos), 37
Chromium
Kinetics of chain reactions between organochromium macrocyclic complexes and iodine (S. Shi and H.C. Zeng), 59
Cobalt
Synthesis and structural characterization of cobalt complexes derived from conjugated tetraynes (J. Lewis, B. Lin, M.S. Khan, M.R.A. Al-Mandhary and P.R. Raithby), 161
Coordinative stabilization
Bicyclisches As_6 als Komplexligand (O.J. Scherer, J. Schulze und G. Wolmershäuser), C5
Copper
Redox reactivity of azathiaferrocenophane complexes with copper(II) and palladium(II) (J.S. Kim, A.J. Bessire, R.A. Bartsch, R.A. Holwerda and B.P. Czech), 47
Crystal structure
Cyclic 1,8-napththalenediyl compounds containing group 14 hetero atoms (M.A.G.M. Tinga, G.J.H. Buisman, G. Schat, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 137
New refinement of the $Me_3E\text{–}E'Ph_3$ (E = Ge, E′ = Sn; E = Sn, E′ = Ge) isomeric compounds and the crystal structure of their solid solution (L. Párkányi, A. Kálmán, K.H. Pannel and H. Sharma), 153
Reactions of mercuric acetate with pentacarbonyliron in alcohols. Crystal and molecular structures of $Hg[Fe(COOR)(CO)_4]_2$ (R = CH_3, C_2H_5) (A.E. Mauro, V.A. De Lucca Neto, J.R. Zamian, R.H. De Almeida Santos, M.T. Do Prado Gambardella, J.R. Lechat and H.R. Rechenberg), 13
Steric effects in triorganosilanes: crystal and molecular structure of tribenzylsilane, a silane isomorphous with the corresponding silanol (C. Glidewell and P. Lightfoot), 175
Synthesis and structural characterization of cobalt complexes derived from conjugated tetraynes (J. Lewis, B. Lin, M.S. Khan, M.R.A. Al-Mandhary and P.R. Raithby), 161
The reaction of *R,S* and *R,R/S,S*-$[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ with alkylating agents. Preparation, structure and spectra of $[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ salts (M.G. Cox, A.R. Manning, P. Soye, P. McArdle and D. Cunningham), 97
Cyclometallation
Cyclometallated compounds of Pd(II) with pyrazole derivatives. Unusual double palladation of diarylbis(*N*-pyrazolyl)methanes (M.T. Alonso, O. Juanes, J. De Mendoza and J.C. Rodríguez-Ubis), 19
Cyclopalladated compounds
Nucleophilic additions to palladium(II)-activated C=C bonds: synthesis of cyclopalladated 8-substituted quinoline derivatives (J. Dupont, R.A.P. Halfen, F.K. Zinn and M. Pfeffer), C8
Cyclopentadienyl
Mehrfach cyclopentadienylsubstituierte Disilane und Trisilane (K. Schenzel und K. Hassler), C1
Reaction of uranium tetrachloride with trimethylsilylcyclopentadiene: crystal structure of a dichloromethane adduct of $[\{U(cp)_2(\mu\text{-}Cl)\}_3(\mu_3\text{-}Cl)_2][\{U(cp)Cl_2\}_2(\mu\text{-}Cl)_3]$ (cp = $\eta\text{-}C_5H_5$) (T. Arliguie, M. Ephritikhine, M. Lance, J. Vigner and M. Nierlich), 195
The reaction of *R,S* and *R,R/S,S*-$[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ with alkylating agents. Preparation, structure and spectra of $[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ salts (M.G. Cox, A.R. Manning, P. Soye, P. McArdle and D. Cunningham), 97
Decarbonylation
Synthesis and characterization of some amine complexes of bromocarboxyboranes and bromo(methoxycarbonyl)boranes (B. Györi, Z. Kovács, J. Emri and Z. Berente), 225

Diiodo
Bis(alkyne) complexes of the type $[WI_2(CO)(NCR)(\eta^2\text{-}R'C_2R')_2]$ (R = Et, ^{t}Bu, Ph or CH_2Ph; R′ = Me or Ph). X-ray crystal structure of $[WI_2(CO)(NC^tBu)(\eta^2\text{-}MeC_2Me)_2]$ (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 169

Dinitrogen
Organometallic photochemistry in supercritical fluids: reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen (J.A. Banister, M.W. George, S. Grubert, S.M. Howdle, M. Jobling, F.P.A. Johnson, S.L. Morrison, M. Poliakoff, U. Schubert and J.R. Westwell), 129

Dinuclear
Site selectivity in carbon monoxide insertion into a Pt–C σ-bond of the binuclear complex $[(CH_3)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)Pt(CH_3)(DMSO)]DMSO$. Structural characterization of the derivatives $[(CH_3CO)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)PtCH_3)(DMSO)]$ and $[(CH_3)ClPt(\mu\text{-}Ph_2PPy)_2Pt(COCH_3)]^+$ (C.G. Arena, G. Ciani, D. Drommi, F. Faraone, D.M. Proserpio and E. Rotondo), 71

Diorganoditellurides
Synthesis and spectra of novel diorganotellurides and diorganoditellurides. Potential polydentate hybrid organotellurium ligands (V. Srivastava, R. Batheja and A.K. Singh), 93

Diorganotellurides
Synthesis and spectra of novel diorganotellurides and diorganoditellurides. Potential polydentate hybrid organotellurium ligands (V. Srivastava, R. Batheja and A.K. Singh), 93

EHMO calculations
Site selectivity in carbon monoxide insertion into a Pt–C σ-bond of the binuclear complex $[(CH_3)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)Pt(CH_3)(DMSO)]DMSO$. Structural characterization of the derivatives $[(CH_3CO)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)PtCH_3)(DMSO)]$ and $[(CH_3)ClPt(\mu\text{-}Ph_2PPy)_2Pt(COCH_3)]^+$ (C.G. Arena, G. Ciani, D. Drommi, F. Faraone, D.M. Proserpio and E. Rotondo), 71

Electrochemistry
Pentafluorophenyl complexes of palladium and platinum containing chelating and bridging $Fe(C_5H_4PPh_2)_2$ or $Fe(C_5H_4SPh)_2$ (S. Coco and P. Espinet), 113
Redox behaviour of ferrocene derivatives. VII. Chalcogen-bridged tri- and tetra-nuclear ferrocenes (P. Zanello, G. Opromolla, M. Herberhold and H.-D. Brendel), 67
Redox reactivity of azathiaferrocenophane complexes with copper(II) and palladium(II) (J.S. Kim, A.J. Bessire, R.A. Bartsch, R.A. Holwerda and B.P. Czech), 47

Estradiol derivative
Synthesis, X-ray structure and chemical properties of 17α-ferrocenylestradiol (D. Vichard, M. Gruselle, G. Jaouen, M.N. Nefedova, I.A. Mamedyarova, V.I. Sokolov and J. Vaissermann), 1

Ferrocene
Pentafluorophenyl complexes of palladium and platinum containing chelating and bridging $Fe(C_5H_4PPh_2)_2$ or $Fe(C_5H_4SPh)_2$ (S. Coco and P. Espinet), 113
Synthesis, X-ray structure and chemical properties of 17α-ferrocenylestradiol (D. Vichard, M. Gruselle, G. Jaouen, M.N. Nefedova, I.A. Mamedyarova, V.I. Sokolov and J. Vaissermann), 1

Ferrocenes
Redox behaviour of ferrocene derivatives. VII. Chalcogen-bridged tri- and tetra-nuclear ferrocenes (P. Zanello, G. Opromolla, M. Herberhold and H.-D. Brendel), 67

Ferrocenophanes
Redox reactivity of azathiaferrocenophane complexes with copper(II) and palladium(II) (J.S. Kim, A.J. Bessire, R.A. Bartsch, R.A. Holwerda and B.P. Czech), 47

Ferrocenylenones
Dry synthesis under microwave irradiation: synthesis of ferrocenylenones (D. Villemin, B. Martin, M. Puciova and S. Toma), 27

Flash vacuum thermolysis
Boron- and phosporus-containing heterocycles: first evidence of a transient cyclic phosphaborolane with P–H and B–H bonds (A.-C. Gaumont, K. Bourumeau, J.-M. Denis and P. Guenot), 9
The generation of 1,1-dimethylsilanimine by flash vacuum thermolysis (M. Letulle, A. Systermans, J.-L. Ripoll and P. Guenot), 89

Fluxionality
The reaction of *R,S* and *R,R/S,S*-$[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_2)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]$ with alkylating agents. Preparation, structure and spectra of $[Fe_2\{\eta,\eta\text{-}C_5H_4CH(NMe_2)CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ and $[Fe_2\{\eta,\eta\text{-}C_5H_4CH_2CH(NMe_3)C_5H_4\}(CO)_2(\mu\text{-}CO)_2]^+$ salts (M.G. Cox, A.R. Manning, P. Soye, P. McArdle and D. Cunningham), 97

Germanium
Cyclic 1,8-napththalenediyl compounds containing group 14 hetero atoms (M.A.G.M. Tinga, G.J.H. Buisman, G. Schat, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 137
New refinement of the $Me_3E\text{–}E'Ph_3$ (E = Ge, E′ = Sn; E = Sn, E′ = Ge) isomeric compounds and the crystal structure of their solid solution (L. Párkányi, A. Kálmán, K.H. Pannel and H. Sharma), 153

Gold
Synthesis, structural characterization and photophysical properties of ethyne–gold(I) complexes (T.E. Müller, S.W.-K. Choi, D.M.P. Mingos, D. Murphy, D.J. Williams and V.W.-W. Yam), 209

Group 8
Dry synthesis under microwave irradiation: synthesis of ferrocenylenones (D. Villemin, B. Martin, M. Puciova and S. Toma), 27

α-H elimination
Facile α-H Elimination in cationic zirconium alkyl complexes: formation of $\mu\text{-}CH_2$ complexes as a possible deactivation pathway in polymerization catalysis (M. Bochmann, T. Cuenca and D.T. Hardy), C10

Heterocycles
New heterocycles from the reaction of azoniaborataclopropane with isocyanides (D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 107

HRMS
The generation of 1,1-dimethylsilanimine by flash vacuum thermolysis (M. Letulle, A. Systermans, J.-L. Ripoll and P. Guenot), 89

Hydrocarbon bridges
Kohlenwasserstoffverbrückte Metallkomplexe. XXXI. 2,4-Bis(pentacarbonylmangan- und rhenium)but-3-enolide aus Fumarsäuredichlorid und Carbonylmetallaten (V. Weinrich, C. Robl und W. Beck), 233

Hydrogen bonding
The reaction of *R,S* and *R,R/S,S*-[$Fe_2\{\eta,\eta$-$C_5H_4CH(NMe_2)$-$CH(NMe_2)C_5H_4\}(CO)_2(\mu$-$CO)_2$] and [$Fe_2\{\eta,\eta$-$C_5H_4CH_2CH(NMe_2)C_5H_4\}(CO)_2(\mu$-$CO)_2$] with alkylating agents. Preparation, structure and spectra of [$Fe_2\{\eta,\eta$-C_5H_4-$CH(NMe_2)CH(NMe_3)C_5H_4\}(CO)_2(\mu$-$CO)_2]^+$ and [$Fe_2\{\eta,\eta$-$C_5H_4CH_2CH(NMe_3)C_5H_4\}(CO)_2(\mu$-$CO)_2]^+$ salts (M.G. Cox, A.R. Manning, P. Soye, P. McArdle and D. Cunningham), 97

Hydrosilylation
Catalysis of hydrosilylation. Part XXV. Effect of nickel(O) and nickel(II) complex catalysts on dehydrogenative silylation, hydrosilylation and dimerization of vinyltriethoxysilane (B. Marciniec, H. Maciejewski and U. Rosenthal), 147

Infrared spectroscopy
Darstellung und Eigenschaften des Komplexes (dipy)Ni(η^2–PhC_2SiMe_3). Zur Korrelation struktureller Bindungsparameter mit IR- und NMR-spektroskopischen Daten in Übergangsmetall-Alkin-Komplexen (U. Rosenthal, C. Nauck, P. Arndt, S. Pulst, W. Baumann, V.V. Burlakov und H. Görls), 81
Mehrfach cyclopentadienylsubstituierte Disilane und Trisilane (K. Schenzel und K. Hassler), C1
Reactions of mercuric acetate with pentacarbonyliron in alcohols. Crystal and molecular structures of $Hg[Fe(COOR)(CO)_4]_2$ ($R = CH_3$, C_2H_5) (A.E. Mauro, V.A. De Lucca Neto, J.R. Zamian, R.H. De Almeida Santos, M.T. Do Prado Gambardella, J.R. Lechat and H.R. Rechenberg), 13

Iodides
Uranium complexes with hydrotris(pyrazolyl) borate (M.P.C. Campello, Â. Domingos and I. Santos), 37

Iron
Reactions of mercuric acetate with pentacarbonyliron in alcohols. Crystal and molecular structures of $Hg[Fe(COOR)(CO)_4]_2$ ($R = CH_3$, C_2H_5) (A.E. Mauro, V.A. De Lucca Neto, J.R. Zamian, R.H. De Almeida Santos, M.T. Do Prado Gambardella, J.R. Lechat and H.R. Rechenberg), 13
Redox behaviour of ferrocene derivatives. VII. Chalcogen-bridged tri- and tetra-nuclear ferrocenes (P. Zanello, G. Opromolla, M. Herberhold and H.-D. Brendel), 67
Redox reactivity of azathiaferrocenophane complexes with copper(II) and palladium(II) (J.S. Kim, A.J. Bessire, R.A. Bartsch, R.A. Holwerda and B.P. Czech), 47
Synthesis, X-ray structure and chemical properties of 17α-ferrocenylestradiol (D. Vichard, M. Gruselle, G. Jaouen, M.N. Nefedova, I.A. Mamedyarova, V.I. Sokolov and J. Vaissermann), 1
The reaction of *R,S* and *R,R/S,S*-[$Fe_2\{\eta,\eta$-$C_5H_4CH(NMe_2)$-$CH(NMe_2)C_5H_4\}(CO)_2(\mu$-$CO)_2$] and [$Fe_2\{\eta,\eta$-$C_5H_4CH_2CH(NMe_2)C_5H_4\}(CO)_2(\mu$-$CO)_2$] with alkylating agents. Preparation, structure and spectra of [$Fe_2\{\eta,\eta$-C_5H_4-$CH(NMe_2)CH(NMe_3)C_5H_4\}(CO)_2(\mu$-$CO)_2]^+$ and [$Fe_2\{\eta,\eta$-$C_5H_4CH_2CH(NMe_3)C_5H_4\}(CO)_2(\mu$-$CO)_2]^+$ salts (M.G. Cox, A.R. Manning, P. Soye, P. McArdle and D. Cunningham), 97

Ketone
Zirkonadihydrofuran-Komplexe: Darstellung, Struktur und Reaktivitäts-Betrachtungen (U. Rosenthal, A. Ohff, W. Baumann, A. Tillack, H. Görls, V.V. Burlakov und V.B. Shur), 203

Kinetics
Kinetics of chain reactions between organochromium macrocyclic complexes and iodine (S. Shi and H.C. Zeng), 59

Lithium
Cyclic 1,8-napththalenediyl compounds containing group 14 hetero atoms (M.A.G.M. Tinga, G.J.H. Buisman, G. Schat, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 137

Macrocytic
Kinetics of chain reactions between organochromium macrocyclic complexes and iodine (S. Shi and H.C. Zeng), 59

Manganese
Kohlenwasserstoffverbrückte Metallkomplexe. XXXI. 2,4-Bis(pentacarbonylmangan- und rhenium)but-3-enolide aus Fumarsäuredichlorid und Carbonylmetallaten (V. Weinrich, C. Robl und W. Beck), 233
Organometallic photochemistry in supercritical fluids: reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen (J.A. Banister, M.W. George, S. Grubert, S.M. Howdle, M. Jobling, F.P.A. Johnson, S.L. Morrison, M. Poliakoff, U. Schubert and J.R. Westwell), 129

5-, 6-membered rings
Cyclometallated compounds of Pd(II) with pyrazole derivatives. Unusual double palladation of diarylbis(*N*-pyrazolyl)methanes (M.T. Alonso, O. Juanes, J. De Mendoza and J.C. Rodríguez-Ubis), 19

Mercury
Reactions of mercuric acetate with pentacarbonyliron in alcohols. Crystal and molecular structures of $Hg[Fe(COOR)(CO)_4]_2$ ($R = CH_3$, C_2H_5) (A.E. Mauro, V.A. De Lucca Neto, J.R. Zamian, R.H. De Almeida Santos, M.T. Do Prado Gambardella, J.R. Lechat and H.R. Rechenberg), 13

Metal carbonyl
Kohlenwasserstoffverbrückte Metallkomplexe. XXXI. 2,4-Bis(pentacarbonylmangan- und rhenium)but-3-enolide aus Fumarsäuredichlorid und Carbonylmetallaten (V. Weinrich, C. Robl und W. Beck), 233

Metal carbonyl anions
Kohlenwasserstoffverbrückte Metallkomplexe. XXXI. 2,4-Bis(pentacarbonylmangan- und rhenium)but-3-enolide aus Fumarsäuredichlorid und Carbonylmetallaten (V. Weinrich, C. Robl und W. Beck), 233

Metallacycle
Nucleophilic additions to palladium(II)-activated C=C bonds: synthesis of cyclopalladated 8-substituted quinoline derivatives (J. Dupont, R.A.P. Halfen, F.K. Zinn and M. Pfeffer), C8
Selectivity in reactions of a dimethylplatinacyclopentane complex (M. Rashidi, N. Shahabadi, A.R. Esmaeilbeig, M. Joshaghani and R.J. Puddephatt), 53

Metallacyde
Zirkonadihydrofuran-Komplexe: Darstellung, Struktur und Reaktivitäts-Betrachtungen (U. Rosenthal, A. Ohff, W. Baumann, A. Tillack, H. Görls, V.V. Burlakov und V.B. Shur), 203

Metallio-butenolide
Kohlenwasserstoffverbrückte Metallkomplexe. XXXI. 2,4-Bis(pentacarbonylmangan- und rhenium)but-3-enolide aus Fumarsäuredichlorid und Carbonylmetallaten (V. Weinrich, C. Robl und W. Beck), 233

Metallocene
Dry synthesis under microwave irradiation: synthesis of ferrocenylenones (D. Villemin, B. Martin, M. Puciova and S. Toma), 27

Metallocenes
Zirkonadihydrofuran-Komplexe: Darstellung, Struktur und Reaktivitäts-Betrachtungen (U. Rosenthal, A. Ohff, W. Baumann, A. Tillack, H. Görls, V.V. Burlakov und V.B. Shur), 203

Zum Reaktionsverhalten eines Vinylidentitanocen-Intermediates gegenüber protischen Agenzien—selektive Synthesen von 1-Alkenyltitanocenverbindungen (R. Beckhaus, J. Sang, J. Oster und T. Wagner), 179

Microwaves
Dry synthesis under microwave irradiation: synthesis of ferrocenylenones (D. Villemin, B. Martin, M. Puciova and S. Toma), 27

Mössbauer spectroscopy
Reactions of mercuric acetate with pentacarbonyliron in alcohols. Crystal and molecular structures of $Hg[Fe(COOR)(CO)_4]_2$ ($R = CH_3$, C_2H_5) (A.E. Mauro, V.A. De Lucca Neto, J.R. Zamian, R.H. De Almeida Santos, M.T. Do Prado Gambardella, J.R. Lechat and H.R. Rechenberg), 13

Naphthalenediyl
Cyclic 1,8-napththalenediyl compounds containing group 14 hetero atoms (M.A.G.M. Tinga, G.J.H. Buisman, G. Schat, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 137

Nickel
Catalysis of hydrosilylation. Part XXV. Effect of nickel(0) and nickel(II) complex catalysts on dehydrogenative silylation, hydrosilylation and dimerization of vinyltriethoxysilane (B. Marciniec, H. Maciejewski and U. Rosenthal), 147
Darstellung und Eigenschaften des Komplexes (dipy)Ni(η^2–PhC_2SiMe_3). Zur Korrelation struktureller Bindungsparameter mit IR- und NMR-spektroskopischen Daten in Übergangsmetall-Alkin-Komplexen (U. Rosenthal, C. Nauck, P. Arndt, S. Pulst, W. Baumann, V.V. Burlakov und H. Görls), 81

Nitrile
Bis(alkyne) complexes of the type $[WI_2(CO)(NCR)(\eta^2\text{-}R'C_2R')_2]$ ($R = Et$, ^tBu, Ph or CH_2Ph; $R' = Me$ or Ph). X-ray crystal structure of $[WI_2(CO)(NC^tBu)(\eta^2\text{-}MeC_2Me)_2]$ (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 169

NMR
Darstellung und Eigenschaften des Komplexes (dipy)Ni(η^2–PhC_2SiMe_3). Zur Korrelation struktureller Bindungsparameter mit IR- und NMR-spektroskopischen Daten in Übergangsmetall-Alkin-Komplexen (U. Rosenthal, C. Nauck, P. Arndt, S. Pulst, W. Baumann, V.V. Burlakov und H. Görls), 81
Pentafluorophenyl complexes of palladium and platinum containing chelating and bridging $Fe(C_5H_4PPh_2)_2$ or $Fe(C_5H_4SPh)_2$ (S. Coco and P. Espinet), 113

Nuclear magnetic resonance
Uranium complexes with hydrotris(pyrazolyl) borate (M.P.C. Campello, A. Domingos and I. Santos), 37

Nucleophilic additions
Nucleophilic additions to palladium(II)-activated C=C bonds: synthesis of cyclopalladated 8-substituted quinoline derivatives (J. Dupont, R.A.P. Halfen, F.K. Zinn and M. Pfeffer), C8

Olefin polymerization
Facile α-H Elimination in cationic zirconium alkyl complexes: formation of μ-CH_2 complexes as a possible deactivation pathway in polymerization catalysis (M. Bochmann, T. Cuenca and D.T. Hardy), C10

Open-edged
Bicyclisches As_6 als Komplexligand (O.J. Scherer, J. Schulze und G. Wolmershäuser), C5

Organochromium
Kinetics of chain reactions between organochromium macrocyclic complexes and iodine (S. Shi and H.C. Zeng), 59

Organometallic
Synthesis, X-ray structure and chemical properties of 17α-ferrocenylestradiol (D. Vichard, M. Gruselle, G. Jaouen, M.N. Nefedova, I.A. Mamedyarova, V.I. Sokolov and J. Vaissermann), 1

Palladium
Cyclometallated compounds of Pd(II) with pyrazole derivatives. Unusual double palladation of diarylbis(*N*-pyrazolyl)methanes (M.T. Alonso, O. Juanes, J. De Mendoza and J.C. Rodríguez-Ubis), 19
Nucleophilic additions to palladium(II)-activated C=C bonds: synthesis of cyclopalladated 8-substituted quinoline derivatives (J. Dupont, R.A.P. Halfen, F.K. Zinn and M. Pfeffer), C8
Pentafluorophenyl complexes of palladium and platinum containing chelating and bridging $Fe(C_5H_4PPh_2)_2$ or $Fe(C_5H_4SPh)_2$ (S. Coco and P. Espinet), 113
Redox reactivity of azathiaferrocenophane complexes with copper(II) and palladium(II) (J.S. Kim, A.J. Bessire, R.A. Bartsch, R.A. Holwerda and B.P. Czech), 47

Pentafluorophenyl
Pentafluorophenyl complexes of palladium and platinum containing chelating and bridging $Fe(C_5H_4PPh_2)_2$ or $Fe(C_5H_4SPh)_2$ (S. Coco and P. Espinet), 113

Phase transfer catalysis
Dry synthesis under microwave irradiation: synthesis of ferrocenylenones (D. Villemin, B. Martin, M. Puciova and S. Toma), 27

Phosphaborolane
Boron- and phosporus-containing heterocycles: first evidence of a transient cyclic phosphaborolane with P–H and B–H bonds (A.-C. Gaumont, K. Bourumeau, J.-M. Denis and P. Guenot), 9

Phosphine
Organometallic photochemistry in supercritical fluids: reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen (J.A. Banister, M.W. George, S. Grubert, S.M. Howdle, M. Jobling, F.P.A. Johnson, S.L. Morrison, M. Poliakoff, U. Schubert and J.R. Westwell), 129
Synthesis, structural characterization and photophysical properties of ethyne–gold(I) complexes (T.E. Müller, S.W.-K. Choi, D.M.P. Mingos, D. Murphy, D.J. Williams and V.W.-W. Yam), 209

Phosphine boranes
Boron- and phosporus-containing heterocycles: first evidence of a transient cyclic phosphaborolane with P–H and B–H bonds (A.-C. Gaumont, K. Bourumeau, J.-M. Denis and P. Guenot), 9

Phosphorus
Boron- and phosporus-containing heterocycles: first evidence of a transient cyclic phosphaborolane with P–H and B–H bonds (A.-C. Gaumont, K. Bourumeau, J.-M. Denis and P. Guenot), 9

Photochemistry
Organometallic photochemistry in supercritical fluids: reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen (J.A. Banister, M.W. George, S. Grubert, S.M. Howdle, M. Jobling, F.P.A. Johnson, S.L. Morrison, M. Poliakoff, U. Schubert and J.R. Westwell), 129

Platinum
Pentafluorophenyl complexes of palladium and platinum containing chelating and bridging $Fe(C_5H_4PPh_2)_2$ or $Fe(C_5H_4SPh)_2$ (S. Coco and P. Espinet), 113

Selectivity in reactions of a dimethylplatinacyclopentane complex (M. Rashidi, N. Shahabadi, A.R. Esmaeilbeig, M. Joshaghani and R.J. Puddephatt), 53

Site selectivity in carbon monoxide insertion into a Pt–C σ-bond of the binuclear complex $[(CH_3)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)Pt(CH_3)(DMSO)]DMSO$. Structural characterization of the derivatives $[(CH_3CO)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)PtCH_3)(DMSO)]$ and $[(CH_3)ClPt(\mu\text{-}Ph_2PPy)_2Pt(COCH_3)]^+$ (C.G. Arena, G. Ciani, D. Drommi, F. Faraone, D.M. Proserpio and E. Rotondo), 71

Polydentate ligands

Synthesis and spectra of novel diorganotellurides and diorganoditellurides. Potential polydentate hybrid organotellurium ligands (V. Srivastava, R. Batheja and A.K. Singh), 93

Pyrazole

Cyclometallated compounds of Pd(II) with pyrazole derivatives. Unusual double palladation of diarylbis(*N*-pyrazolyl)methanes (M.T. Alonso, O. Juanes, J. De Mendoza and J.C. Rodríguez-Ubis), 19

Uranium complexes with hydrotris(pyrazolyl) borate (M.P.C. Campello, A. Domingos and I. Santos), 37

Rhenium

Kohlenwasserstoffverbrückte Metallkomplexe. XXXI. 2,4-Bis(pentacarbonylmangan- und rhenium)but-3-enolide aus Fumarsäuredichlorid und Carbonylmetallaten (V. Weinrich, C. Robl und W. Beck), 233

Ruthenium

Synthesis of optically active benzyl-α-*d* alcohols by asymmetric hydrogenation of benzaldehyde-α-*d* and its derivatives catalyzed by BINAP-Ru(II) complexes (T. Ohta, T. Tsutsumi and H. Takaya), 191

Serotonin antagonist

3,4-Functionalized silacyclopentanes. Synthesis of *trans*-4-amino-, azido- and alkyloxy-1-silacyclopentan-3-ols from 6-oxa-3-silabicyclo[3.1.0]hexanes (R. Boukherroub, G. Manuel, S. Mignani and D. Damour), 119

Silacyclopentanols

3,4-Functionalized silacyclopentanes. Synthesis of *trans*-4-amino-, azido- and alkyloxy-1-silacyclopentan-3-ols from 6-oxa-3-silabicyclo[3.1.0]hexanes (R. Boukherroub, G. Manuel, S. Mignani and D. Damour), 119

Silane

Catalysis of hydrosilylation. Part XXV. Effect of nickel(O) and nickel(II) complex catalysts on dehydrogenative silylation, hydrosilylation and dimerization of vinyltriethoxysilane (B. Marciniec, H. Maciejewski and U. Rosenthal), 147

Mehrfach cyclopentadienylsubstituierte Disilane und Trisilane (K. Schenzel und K. Hassler), C1

Silanimines

The generation of 1,1-dimethylsilanimine by flash vacuum thermolysis (M. Letulle, A. Systermans, J.-L. Ripoll and P. Guenot), 89

Silanol

Steric effects in triorganosilanes: crystal and molecular structure of tribenzylsilane, a silane isomorphous with the corresponding silanol (C. Glidewell and P. Lightfoot), 175

Silicon

Catalysis of hydrosilylation. Part XXV. Effect of nickel(O) and nickel(II) complex catalysts on dehydrogenative silylation, hydrosilylation and dimerization of vinyltriethoxysilane (B. Marciniec, H. Maciejewski and U. Rosenthal), 147

Cyclic 1,8-napththalenediyl compounds containing group 14 hetero atoms (M.A.G.M. Tinga, G.J.H. Buisman, G. Schat, O.S. Akkerman, F. Bickelhaupt, W.J.J. Smeets and A.L. Spek), 137

3,4-Functionalized silacyclopentanes. Synthesis of *trans*-4-amino-, azido- and alkyloxy-1-silacyclopentan-3-ols from 6-oxa-3-silabicyclo[3.1.0]hexanes (R. Boukherroub, G. Manuel, S. Mignani and D. Damour), 119

Steric effects in triorganosilanes: crystal and molecular structure of tribenzylsilane, a silane isomorphous with the corresponding silanol (C. Glidewell and P. Lightfoot), 175

^{29}Si-NMR spectroscopy

Mehrfach cyclopentadienylsubstituierte Disilane und Trisilane (K. Schenzel und K. Hassler), C1

Steroid

Synthesis, X-ray structure and chemical properties of 17α-ferrocenylestradiol (D. Vichard, M. Gruselle, G. Jaouen, M.N. Nefedova, I.A. Mamedyarova, V.I. Sokolov and J. Vaissermann), 1

Structure

Bicyclisches As_6 als Komplexligand (O.J. Scherer, J. Schulze und G. Wolmershäuser), C5

Supercritical fluids

Organometallic photochemistry in supercritical fluids: reactions of cyclopentadienyl carbonyl and phosphine carbonyl complexes of manganese with dinitrogen (J.A. Banister, M.W. George, S. Grubert, S.M. Howdle, M. Jobling, F.P.A. Johnson, S.L. Morrison, M. Poliakoff, U. Schubert and J.R. Westwell), 129

Synthesis

Dry synthesis under microwave irradiation: synthesis of ferrocenylenones (D. Villemin, B. Martin, M. Puciova and S. Toma), 27

3,4-Functionalized silacyclopentanes. Synthesis of *trans*-4-amino-, azido- and alkyloxy-1-silacyclopentan-3-ols from 6-oxa-3-silabicyclo[3.1.0]hexanes (R. Boukherroub, G. Manuel, S. Mignani and D. Damour), 119

Nucleophilic additions to palladium(II)-activated C=C bonds: synthesis of cyclopalladated 8-substituted quinoline derivatives (J. Dupont, R.A.P. Halfen, F.K. Zinn and M. Pfeffer), C8

The generation of 1,1-dimethylsilanimine by flash vacuum thermolysis (M. Letulle, A. Systermans, J.-L. Ripoll and P. Guenot), 89

Tellurium

Synthesis and spectra of novel diorganotellurides and diorganoditellurides. Potential polydentate hybrid organotellurium ligands (V. Srivastava, R. Batheja and A.K. Singh), 93

Tetraynes

Synthesis and structural characterization of cobalt complexes derived from conjugated tetraynes (J. Lewis, B. Lin, M.S. Khan, M.R.A. Al-Mandhary and P.R. Raithby), 161

Tetrazoles

Crystal and molecular structure of 1-phenyl-1*H*-tetrazole-5-thiolato-trimethyltin(IV), Me_3SnSCN_4Ph, exhibiting unusual trimeric associations through intermolecular N → Sn bonds (R. Cea-Olivares, O. Jiménez-Sandoval, G. Espinosa-Pérez and C. Silvestru), 33

Thorium

Bicyclisches As_6 als Komplexligand (O.J. Scherer, J. Schulze und G. Wolmershäuser), C5

Tin

Crystal and molecular structure of 1-phenyl-1*H*-tetrazole-5-thiolato-trimethyltin(IV), Me_3SnSCN_4Ph, exhibiting unusual trimeric associations through intermolecular N → Sn bonds

(R. Cea-Olivares, O. Jiménez-Sandoval, G. Espinosa-Pérez and C. Silvestru), 33
New refinement of the Me_3E–$E'Ph_3$ (E = Ge, E' = Sn; E = Sn, E' = Ge) isomeric compounds and the crystal structure of their solid solution (L. Párkányi, A. Kálmán, K.H. Pannel and H. Sharma), 153
Titanium
Zum Reaktionsverhalten eines Vinylidentitanocen-Intermediates gegenüber protischen Agenzien—selektive Synthesen von 1-Alkenyltitanocenverbindungen (R. Beckhaus, J. Sang, J. Oster und T. Wagner), 179
Trimethylsilyl
Zirkonadihydrofuran-Komplexe: Darstellung, Struktur und Reaktivitäts-Betrachtungen (U. Rosenthal, A. Ohff, W. Baumann, A. Tillack, H. Görls, V.V. Burlakov und V.B. Shur), 203
Tungsten
Bis(alkyne) complexes of the type $[WI_2(CO)(NCR)(\eta^2\text{-}R'C_2R')_2]$ (R = Et, ^{t}Bu, Ph or CH_2Ph; R' = Me or Ph). X-ray crystal structure of $[WI_2(CO)(NC^tBu)(\eta^2\text{-}MeC_2Me)_2]$ (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 169

Uranium
Reaction of uranium tetrachloride with trimethylsilylcyclopentadiene: crystal structure of a dichloromethane adduct of $[\{U(cp)_2(\mu\text{-}Cl)\}_3(\mu_3\text{-}Cl)_2][\{U(cp)Cl_2\}_2(\mu\text{-}Cl)_3]$ (cp = η-C_5H_5) (T. Arliguie, M. Ephritikhine, M. Lance, J. Vigner and M. Nierlich), 195
Uranium complexes with hydrotris(pyrazolyl) borate (M.P.C. Campello, Â. Domingos and I. Santos), 37
UV–visible spectra
Synthesis, structural characterization and photophysical properties of ethyne–gold(I) complexes (T.E. Müller, S.W.-K. Choi, D.M.P. Mingos, D. Murphy, D.J. Williams and V.W.-W. Yam), 209

Vinyl complexes
Zum Reaktionsverhalten eines Vinylidentitanocen-Intermediates gegenüber protischen Agenzien—selektive Synthesen von 1-Alkenyltitanocenverbindungen (R. Beckhaus, J. Sang, J. Oster und T. Wagner), 179
Vinylidene complexes
Zum Reaktionsverhalten eines Vinylidentitanocen-Intermediates gegenüber protischen Agenzien—selektive Synthesen von 1-Alkenyltitanocenverbindungen (R. Beckhaus, J. Sang, J. Oster und T. Wagner), 179

X-ray analysis
New heterocycles from the reaction of azoniaboratacyclopropane with isocyanides (D.J. Brauer, H. Bürger, T. Hagen and G. Pawelke), 107
X-ray crystal structure
Bis(alkyne) complexes of the type $[WI_2(CO)(NCR)(\eta^2\text{-}R'C_2R')_2]$ (R = Et, ^{t}Bu, Ph or CH_2Ph; R' = Me or Ph). X-ray crystal structure of $[WI_2(CO)(NC^tBu)(\eta^2\text{-}MeC_2Me)_2]$ (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 169
X-ray diffraction
Darstellung und Eigenschaften des Komplexes (dipy)Ni(η^2–PhC_2SiMe_3). Zur Korrelation struktureller Bindungsparameter mit IR- und NMR-spektroskopischen Daten in Übergangsmetall-Alkin-Komplexen (U. Rosenthal, C. Nauck, P. Arndt, S. Pulst, W. Baumann, V.V. Burlakov und H. Görls), 81
New refinement of the Me_3E–$E'Ph_3$ (E = Ge, E' = Sn; E = Sn, E' = Ge) isomeric compounds and the crystal structure of their solid solution (L. Párkányi, A. Kálmán, K.H. Pannel and H. Sharma), 153
Uranium complexes with hydrotris(pyrazolyl) borate (M.P.C. Campello, Â. Domingos and I. Santos), 37
X-ray structure
Reaction of uranium tetrachloride with trimethylsilylcyclopentadiene: crystal structure of a dichloromethane adduct of $[\{U(cp)_2(\mu\text{-}Cl)\}_3(\mu_3\text{-}Cl)_2][\{U(cp)Cl_2\}_2(\mu\text{-}Cl)_3]$ (cp = η-C_5H_5) (T. Arliguie, M. Ephritikhine, M. Lance, J. Vigner and M. Nierlich), 195
Site selectivity in carbon monoxide insertion into a Pt–C σ-bond of the binuclear complex $[(CH_3)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)Pt(CH_3)(DMSO)]DMSO$. Structural characterization of the derivatives $[(CH_3CO)ClPt(\mu\text{-}Cl)(\mu\text{-}Ph_2PPy)PtCH_3)(DMSO)]$ and $[(CH_3)ClPt(\mu\text{-}Ph_2PPy)_2Pt(COCH_3)]^+$ (C.G. Arena, G. Ciani, D. Drommi, F. Faraone, D.M. Proserpio and E. Rotondo), 71
Synthesis, X-ray structure and chemical properties of 17α-ferrocenylestradiol (D. Vichard, M. Gruselle, G. Jaouen, M.N. Nefedova, I.A. Mamedyarova, V.I. Sokolov and J. Vaissermann), 1
X-ray structure C–H $\cdots$ π interactions
Synthesis, structural characterization and photophysical properties of ethyne–gold(I) complexes (T.E. Müller, S.W.-K. Choi, D.M.P. Mingos, D. Murphy, D.J. Williams and V.W.-W. Yam), 209

Ziegler catalysts
Facile α-H Elimination in cationic zirconium alkyl complexes: formation of μ-CH_2 complexes as a possible deactivation pathway in polymerization catalysis (M. Bochmann, T. Cuenca and D.T. Hardy), C10
Zirconium
Facile α-H Elimination in cationic zirconium alkyl complexes: formation of μ-CH_2 complexes as a possible deactivation pathway in polymerization catalysis (M. Bochmann, T. Cuenca and D.T. Hardy), C10
Zirkonadihydrofuran-Komplexe: Darstellung, Struktur und Reaktivitäts-Betrachtungen (U. Rosenthal, A. Ohff, W. Baumann, A. Tillack, H. Görls, V.V. Burlakov und V.B. Shur), 203

Book review
Organic Synthesis via Organometallics, D. Enders, H.-J. Gais and W. Keim (Eds.) (J.R. Hanson)), C13